

MESSAGE FROM THE CONFERENCE CHAIRPERSON – AGROFOOD 2026



It is my great pleasure to welcome you to the 7th International Conference on Agriculture and Food (AgroFood 2026). Over the years, AgroFood has grown into a vibrant platform that brings together researchers, industry professionals, policymakers, and students to exchange knowledge, foster collaborations, and address the evolving challenges facing the agri-food sector. This year's theme, "Strengthening Agri-Food Resilience: Technology, Safety and Sustainability in the Climate-Challenged World," reflects our shared commitment to developing innovative and science-based solutions for resilient and sustainable food systems.

The increasing impacts of climate change, food insecurity, emerging food safety risks, and rapid technological advancements demand interdisciplinary collaboration and collective action. AgroFood 2026 provides an opportunity to showcase cutting-edge research, encourage meaningful dialogue, and strengthen partnerships that translate scientific discoveries into practical solutions for society. I would like to express my sincere appreciation to our keynote speakers, presenters, reviewers, sponsors, organising committee, academic partners, and all participants for their invaluable contributions and unwavering support. Your dedication continues to shape AgroFood into a dynamic international conference that promotes excellence in agricultural and food research.

I hope this conference inspires new ideas, meaningful collaborations, and lasting partnerships that will contribute to a more resilient, safe, and sustainable agri-food future.

I wish you a productive and rewarding conference.

Assoc. Prof. Dr. Nor Khaizura Mahmud @ Ab Rashid
Conference Chair,
AgroFood 2026

MESSAGE FROM THE HOSTING PARTNER AGROFOOD 2026



Dear Distinguished Speakers, Researchers, Academics, Students, and Delegates,

It is with great pleasure that I welcome you to the 7th International Conference on Agriculture, Food Security, and Food Safety (AgroFood 2026).

On behalf of the International Centre for Research (ICR), it is an honor to welcome you to this global forum dedicated to advancing scholarship and dialogue in Agriculture, Food security and Food Safety. Guided by this year's theme, "Strengthening Agri-Food Resilience: Technology, Safety and Sustainability in the Climate-Challenged World", the conference brings together diverse perspectives to foster collaboration, promote scientific innovation, and explore transformative approaches to sustainable agriculture, food technology, and resilient food systems in response to global challenges. As the world faces growing challenges related to food security, sustainable agriculture, climate change, and nutrition, research and collaboration are essential for developing innovative and sustainable solutions. The AgroFood 2026 provides a multidisciplinary platform for researchers, academicians, industry experts, and policymakers to share knowledge, present cutting-edge research, and foster collaborations that advance agriculture, food science, and sustainable food systems.

I would also like to express my sincere appreciation to iConferences, the organizing body of this conference, for its dedication and professionalism in bringing together an outstanding international community of scholars and professionals.

I encourage you to actively participate in the keynote sessions, technical presentations, panel discussions, networking opportunities, and collaborative exchanges throughout the conference. May these interactions inspire new ideas, meaningful partnerships, and lasting contributions to the advancement of agriculture, food technology.

Thank you for joining us and for contributing your expertise to AgroFood 2026. I wish you a rewarding, thought-provoking, and memorable conference experience.

Thulakshana Liyanage
Non Executive Director
International Centre for Research (ICR)

Founder & Director
iConferences (Pvt) Ltd

MESSAGE FROM THE ACADEMIC PARTNER AGROFOOD 2026

**UNIVERSITI
MALAYA**

On behalf of the Centre for Research in Biotechnology for Agriculture (CEBAR), Universiti Malaya, Malaysia, we are delighted to be partnering with iConferences, Sri Lanka, for the 7th International Conference on Agriculture, Food Security, and Food Safety (AgroFood 2026).

CEBAR's core vision is to be a world-class research centre for agricultural biotechnology, dedicated to advancing a sustainable bioeconomy. This mandate aligns perfectly with this year's timely and critical conference theme for AgroFood 2026: "Strengthening Agri-Food Resilience: Technology, Safety and Sustainability in the Climate-Challenged World."

As we face unprecedented global climate disruptions, the vulnerability of our food systems has never been more apparent. At CEBAR, our research focuses on leveraging cutting-edge biotechnology to engineer climate-resilient crops, enhance food safety, and pioneer sustainable agricultural practices. We believe that modern biotechnology is not just a scientific tool, but a vital shield to protect global food security against environmental volatility.

Our partnership with AgroFood 2026 reflects a shared commitment to the United Nations Sustainable Development Goals (SDGs), particularly SDG 2 (Zero Hunger), SDG 13 (Climate Action), and SDG 17 (Partnerships for the Goals). Addressing these complex global challenges requires breaking down silos. This conference serves as a premier platform for the cross-border sharing of knowledge, bringing together researchers, policymakers, and industry leaders to translate scientific discoveries into actionable, real-world solutions.

Through this collaboration, we hope to foster deep networks, inspire new joint research initiatives, and empower the next generation of agricultural innovators. We wish all the participants, presenters, and organizers a highly fruitful and inspiring conference. Together, let us cultivate a more resilient, safe, and sustainable future for global agriculture.

**Associate Professor Dr Tan Boon Chin (Director),
Prof Jennifer Ann Harikrishna (Former Director)
Associate Professor Rosazlin Abdullah**

**Centre for Research in Biotechnology for Agriculture (CEBAR)
Universiti Malaya, Malaysia**

MESSAGE FROM THE ACADEMIC PARTNER AGROFOOD 2026

**UNIVERSITY OF
AGRICULTURE**
FAISALABAD- PAKISTAN



On behalf of University of Agriculture Faisalabad Pakistan, I am delighted to extend our warmest greetings to all participants of the 7th International Conference on Agriculture, Food Security, and Food Safety 2026 (AgroFood 2026).

In an era marked by significant climate challenges, the theme of this year's conference, "Strengthening Agri-Food Resilience: Technology, Safety and Sustainability in the Climate-Challenged World," is both timely and critical. The need for robust, sustainable, and technologically advanced food systems has never been more urgent. Events like AgroFood 2026 are invaluable platforms for fostering the international collaboration and knowledge exchange necessary to tackle these global issues.

As academics, researchers, and industry leaders convene in Kuala Lumpur and online, we are presented with a unique opportunity to share insights and forge partnerships that will shape the future of agriculture. We commend the organizers for bringing together such a distinguished panel of speakers and for providing strong publication opportunities that will amplify the impact of the research presented.

The University of Agriculture Faisalabad Pakistan is proud to support this important initiative. We look forward to the outcomes of the discussions and the innovative solutions that will emerge from this gathering, and we reaffirm our commitment to contributing to a more secure and sustainable agri-food landscape for all.

Wishing you a successful and insightful conference.

Sincerely,

Dr. Muhammad Azhar Ali
Department of Food Engineering
University of Agriculture Faisalabad
Pakistan

TECHNICAL PROGRAM

DAY 01 – TUESDAY, 4TH AUGUST 2026

08.00 – 09.00 Conference Registration

INAUGURATION SESSION

Tuesday, 04th August 2026 | 09.00 MYT to 09.40 MYT | Room 01

09.00 – 09.10

Welcome Address by the Conference Convener



Ms. Thulakshana Dilrukshi Liyanage
(Director, iConferences, Sri Lanka)

09.10 – 09.20

Welcome Address by the Conference Chairperson



Assoc. Prof. Dr. Norida Mazlan
(Faculty of Agriculture, University Putra Malaysia, Malaysia)

09.20 – 09.30

Welcome Address by the Academic Partner



Prof. Dr. Jennifer Ann Harikrishna
(Professor, Faculty of Science & Centre for Research in Biotechnology for Agriculture (CEBAR), University of Malaya, Malaysia)

09.30 – 09.40

Welcome Address by the Academic Partner



Dr. Ali, M.A.
(University of Agriculture Faisalabad, Pakistan)

KEYNOTE FORUM Tuesday, 04th August 2026 | 09.45 MYT to 10.15 MYT | Room 01

09.45 – 10.15

Prof. Dr. Jennifer Ann Harikrishna



(Professor, Faculty of Science & Centre for Research in Biotechnology for Agriculture (CEBAR), University of Malaya, Malaysia)

"Going Bananas! How Biotechnology Can Support Food Security for the World's Most Consumed Fruit"

Prof. Jenni is a Professor in the Microbiology and Molecular Genetics Programme under the Faculty of Science at the University of Malaya. She was the Director of the Centre for Research in Biotechnology for Agriculture (CEBAR) at the University of Malaya from 2009 to 2025 and is still an associate member of CEBAR.

Prof. Jenni also holds a current appointment as an Honorary Visiting Fellow in the Department of Genetics and Genome Biology at the University of Leicester, UK. Prof. Jenni's current research interests are fundamental research and its application through biotechnology for use in agriculture, including the molecular genetics of tropical plants and the use of microbes to help crops deal with the effects of climate change.

10.15 – 10.25

Conference Group Photograph

10.25 – 10.45 **Morning Refreshments**

KEYNOTE FORUM Tuesday, 04th August 2026 | 10.45 MYT to 11.15 MYT | Room 01

10.45 – 11.15



Assoc. Prof. Dr. Rosazlin Abdullah

(Institute of Biological Sciences, University Malaya, Malaysia)

"The Foundation for Plant Resilience and Sustainable Agri-Food Systems"

Assoc. Prof. Dr. Rosazlin Abdullah is a lecturer at the Institute of Biological Sciences (ISB), Universiti Malaya. She has over 15 years of experience in various national and international agricultural-environmental based projects and showing the most excellent research results in the field of sustainable soil management, one of the national challenges, and is leading the recent research trend in the field of biochar. She focused on advocating biochar as a promising material for soil amendment and role of biochar in mitigation of climate change.

She currently serving as President of Malaysian Soil Science Society, National Focal Point for the Global Soil Partnership, Exco for Malaysian Professional Centre, Committee Member of Biochar Malaysia Association, Committee of urban neighborhood farm KL under The Kuala Lumpur City Hall, Technical Soil Quality Department of Standard Malaysia, Member of Association of Pacific Rim Universities Sustainable Waste Management (APRU SWM), Technical Committee Members, Center of Excellence for Soil Research in Asia (CESRA), and Members of the International Union of Soil Science.

Agricultural Biotechnology, Crop Improvement and Climate Resilience

Tuesday, 4th August 2026 | 11.15 MYT to 12.45 MYT | Room 01

Chaired By Dr. Christopher Teh Boon Sung
(University Putra Malaysia, Malaysia)

11.15 – 11.30

A1 **In-Person**



Nasuha, A., Ali, M., Afrin, S., Bhuiyan, M.N.I.

(Jagannath University, Bangladesh)

"Bioengineering Soil-Derived Bacterial Exopolysaccharides as Native Hydro-Matrices for Sustainable and Resilient Agricultural Practices"

11.30 – 11.45

A2 **In-Person**



Lau, S.E.^{1,2}, Tan, B.C.¹

(Centre for Research in Biotechnology for Agriculture (CEBAR), Universiti Malaya, Malaysia,²UM Agroforestry, Universiti Malaya, Malaysia)

"Transcriptomic Responses of *Musa acuminata* cv. Berangan to Drought: Unveiling The Role of The MaMYB-86-LIKE Transcription Factor"

11.45 – 12.00

A3 **In-Person**



Amnan, M.A.M, Teo, W.F.A, Aizat, W.M, Khaidizar, F.D, Tan, B.C

(Centre for Research in Biotechnology for Agriculture (CEBAR), Universiti Malaya, Malaysia)

"Oil Palm Wood Vinegar as A Foliar Biostimulant Improves Drought Stress Tolerance in *Pandanus amaryllifolius*"

TECHNICAL SESSION 01

Agricultural Biotechnology, Crop Improvement and Climate Resilience

Tuesday, 4th August 2026 | 11.15 MYT to 12.45 MYT | Room 01

Chaired By Dr. Christopher Teh Boon Sung
(University Putra Malaysia, Malaysia)

TECHNICAL SESSION 01

12.00 – 12.15

A4 **In-Person**



Ali, A. Safdar, M.E. Nadeem, M.A. Qamar, M.R.
(University of Sargodha, Pakistan)

"Effect of Soil and Foliar Application of Potassium and Zinc on Hybrid Maize (*Zea mays* L.) Productivity"

12.15 – 12.30

A5 **In-Person**



Jabar, N. A. A.

(Universiti Putra Malaysia, Malaysia)

"Green Synthesis and Optimisation of Silver Nanoparticles Derived from Bentong Ginger (*Zingiber officinale* Roscoe) Extract"

12.30– 12.45

A6 **Online**



Tehseen, M.¹, Khan, T.A.¹, Zang, X.¹, Cao, Z.¹, Hu, L.¹, Zhou, C.¹, Wang, L.^{1,2}

(¹College of Horticulture and Landscape Architecture, Yangzhou University, China, ²Key Laboratory of Plant Functional Genomics of the Ministry of Education, Agricultural College of Yangzhou University, Yangzhou, China)

"Green-Synthesized Zinc Oxide (ZnO) Nanoparticles Alleviate Drought Stress in Rough Lemon (*Citrus jambhiri* L.) Rootstock"

One Conference. Countless Cultures.

Did you pack your traditional attire? We'd love to see you represent your country or culture at the Networking Dinner. Let's turn one evening into a celebration of the world-one outfit at a time!



Food Security, Food Systems and Community Resilience

Tuesday, 4th August 2026 | 11.15 MYT to 12.30 MYT | Room 01

Chaired By Prof. Dr. Fatiha Hakimi

(Hassan II Institute of Agronomy and Veterinary Medicine, Morocco)

ONLINE TECHNICAL SESSION 01

11.15 – 11.30

E1 **Online**



Jayathilake, H.D.

(University of Peradeniya, Sri Lanka)

"Groundwater Quality Assessment for Sustainable Agriculture in Kalpitiya, Sri Lanka"

11.30 – 11.45

E2 **Online**



Kuku, A.A.

(Federal University of Agriculture Abeokuta, Ogun State, Nigeria)

"Post-harvest Tomato Losses, Coping strategies, and Food Security among Value Chain Actors in Nigeria"

11.45 – 12.00

E3 **Online**



O'Fiachra, J.T.

(University College Dublin, Ireland)

"The Nemeton: A Climate-Independent, Self-Sufficient Food Solution"

12.00 – 12.15

E4 **Online**



Mnisi, M.A.^{1,2}, Nesengani T.J.^{1,2}, Zwane E.M.^{1,2}

(¹Department of Agricultural and Environmental Sciences, Faculty of Science and Agriculture, University of Limpopo, South Africa, ²Centre for Rural Community Empowerment, South Africa)

"Strengthening Agri-Food Resilience Against Double Burden of Food Insecurity and Malnutrition: A Sustainable Food Systems Analysis of Mashishimale, South Africa"

12.15 – 12.30

E5 **Online**



Vaillancourt, A., Ray, L., Loukes, K., Neegan, D.

(Lakehead University, Ontario, Canada)

"Exploring the Impact of a Government Food Subsidy Program on Food Security within Remote First Nation Communities in Northern Canada"

POSTER SESSION

Tuesday, 4th August 2026 | 12.45 MYT to 13.15 MYT | Room 01

Chaired By **Dr. Nor Khaizura Mahmud**
(Universiti Putra Malaysia)

POSTER SESSION

P1 **In-Person**



Kashyap, S, Rao, N.

(Solidaridad Regional Expertise Centre, India)

"Reconnecting Production and Consumption to Improve Nutritional Security"

P2 **In-Person**



Rabai, K.A., Chong, J.

(Northern Region Agriculture Research Centre, Kabuloh, Miri, Department of Agriculture Sarawak, Malaysia)

"Performance of Asparagus officinalis L. Varieties under Shade Structure and Open Field Conditions in a Farmer Field Trial in Bario, Sarawak"

P3 **In-Person**



William, F.A., Sallehudin, R.B., Mangga, G.K.A

(Northern Region Agriculture Research Centre, Kabuloh, Miri, Department of Agriculture Sarawak, Malaysia)

"Optimising Flowering Induction for Sarawak Gold (SG1) Pineapple Agronomic Practices"

P4 **In-Person**



Mangga, G.K.A., Rabai, K.A., William, F.A., Bostamam, Y.B., Umar, S.B., Chong, J.

(Northern Region Agriculture Research Centre, Kabuloh, Miri, Department of Agriculture Sarawak, Malaysia)

"Purification of Adan sederhana Seeds for Quality Bario Rice Production in Sarawak, Malaysia"

13.15 – 14.00 **Networking Lunch**



14.15 – 15.00

Round Table

Future of Food Security

FACILITATORS



Assoc. Prof. Dr. Norida Mazlan
(Faculty of Agriculture, University Putra Malaysia,
Malaysia)



Prof. Dr. Jennifer Ann Harikrishna
(Professor, Faculty of Science & Centre for Research in
Biotechnology for Agriculture (CEBAR), University of Malaya,

KEYNOTE FORUM Tuesday, 04th August 2026 | 15.00 MYT to 15.30 MYT | Room 01

15.00 – 15.30 **Prof. Dr. Fatiha Hakimi**



(Hassan II Institute of Agronomy and Veterinary Medicine, Rabat,
Morocco)

"Measuring What Matters: Sustainability and Resilience Indicators for Climate-Smart Agriculture"

Associate Professor Fatiha Hakimi is an agronomist whose work centers on advancing sustainable and resilient agricultural systems through the integration of agroecological principles and optimized resource management strategies.

With a PhD from Ibn Zohr University in Morocco, a Master's degree from the University of Catania in Italy, and an Agronomy Engineer diploma from the Hassan II Institute of Agronomy and Veterinary Medicine, Dr. Hakimi has a comprehensive background in agronomy. Her research focuses on the sustainability of agricultural production systems, aiming to promote eco-friendly, economically viable solutions for farming. Her work explores methods like crop diversification, soil conservation, and water and input management to improve agricultural efficiency while preserving the environment.

Sustainability, One Health and Agricultural Systems

Tuesday, 4th August 2026 | 15.30 MYT to 16.45 MYT | Room 01

Chaired By Prof. Jennifer Ann Harikrishna

(Centre for Research in Biotechnology for Agriculture (CEBAR), Malaysia)

TECHNICAL SESSION 02

15.30 – 15.45

B1 **In-Person**



Al-Yahyai, R.A., Al-Habsi, N.A.

(College of Agricultural and Marine Sciences, Sultan Qaboos University, Oman)

"Olive: Innovation in Value Addition and Expansion in Oman"

15.45 – 16.00

B2 **In-Person**



Streimikis, J.

(Vytautas Magnus University, Lithuania)

"Comparative Methodological Challenges in Agricultural Sustainability Assessment under the Low-Carbon Transition"

16.00 – 16.15

B3 **In-Person**



Ali, M.A.

(University of Agriculture Faisalabad, Pakistan)

"Effect of Maltodextrin on Flowability and Compaction of Freeze-Dried Ambarella and Key Lime Powders"

16.15 – 16.30

B4 **In-Person**



Eltai, N.O.

(Biomedical Research Centre, Qatar University, Qatar)

"AMR at the Poultry-Environment Interface: Evidence of Undetected Transmission in a One Health Commercial Intensive Broiler Farm"

16.30 – 16.45

B5 **In-Person**



Sujianto, S.^{1,2}, Suharno, S.¹, Nurmalina, R.¹, Wulandari, S.³

(¹Department of Agribusiness, Faculty of Economics, Management, IPB University, ²Research Center for Macroeconomic and Finance, ³Research Center for Social Welfare, Village and Connectivity, National Research and Innovation Agency, Indonesia)

"Strengthening Certification System in Organic Rice Governance: An Institutional Economics Value Chain Upgrading Strategies"

Agricultural Economics, Value Chains and Sustainable Development

Tuesday, 4th August 2026 | 15.30 MYT to 16.45 MYT | Room 01

Chaired By Asst. Prof. CHOW Pei Yong Edwin
(National University of Singapore, Singapore)

ONLINE TECHNICAL SESSION 02

15.30 – 15.45

F1

Online



Rani, M.H., Gupta, R.

(Bangladesh Institute of Nuclear Agriculture, Bangladesh)

"Genotypic Variation in Growth and Yield Responses to Thermal Time and Photoperiod in Rainfed Rice Under Delayed Transplanting"

15.45 – 16.00

F2

Online



Aryadi, M.R., Abdurrahman, M.A., Irmawaty, R.

(Civil Engineering Department, Universitas Hasanuddin, Indonesia)

"Modeling Agricultural Land Conversion Using Logarithmic Regression: Evidence from Maros Regency, Indonesia"

16.00 – 16.15

F3

Online



**Mphana, Z., Mayekiso, A., Skhephu, A., Tafeni, N.V.,
Gwala, L.**

(Department of Agricultural Economics, Extension and Agribusiness,
University of Fort Hare, Private Bag X1314, Alice, 5700, South Africa)

"Profiling of Value Chain Actors for Smallholder Broiler Farming in Buffalo City Municipality, South Africa: A SWOT Analysis Approach"

16.15 – 16.30

F4

Online



Gwala, L., Tafeni, N.V., Mayekiso, A.

(Department of Agricultural Economics, Extension and Agribusiness,
University of Fort Hare, South Africa)

"Evaluating Factors Influencing the Adoption of Climate-Smart Practices for Enhanced Climate Resilience Among Smallholder Farmers in Eastern Cape, South Africa"

16.30 – 16.45

F5

Online



Lumsdon-Taylor, M.J.

(MHA, Baker Tilly International, United Kingdom)

"Who Captures the Price? Buyer Power, Regulatory Design, and the Structural Redistribution of Value in Global Agri-Food Chains"

07.00 PM ONWARDS

Networking Dinner



GLOBAL INITIATIVE

Hosted by ICR (USA) - Organized by iConferences

Empowering Women in Research Initiative

The Women in Research Initiative is a global programme hosted by the International Centre for Research (ICR), USA and organized by iConferences to celebrate, recognize, and empower women researchers worldwide.

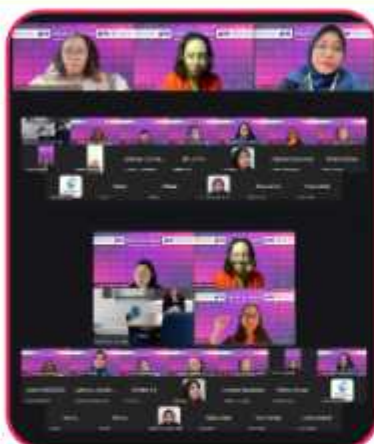
Give to Gain

Empowering Women in Research

INTERNATIONAL WOMEN'S DAY 2026
CELEBRATING WOMEN IN RESEARCH

It is not only a matter of equity — it is essential to advancing knowledge, enriching perspectives, and shaping a future built on inclusive innovation.

#WID2026 #GiveToGain #WomenInResearch



Launched through the successful **International Women's Day 2026** global event, **Empowering Women in Research** is now an annual international event that brings together women researchers to connect, collaborate, and inspire.



As part of the initiative, women participating in iConferences are eligible to be considered for recognition in the **ICR Hall of Fame**—a distinguished platform honouring exceptional individuals for their contributions to research, innovation, leadership, and academic excellence.

Empowering Women in Research continues to champion diversity, inspire future generations, and celebrate the remarkable women shaping the future of global research.

2026 Inspiring Story Competition

As part of the celebration, iConferences invited women researchers worldwide to share their inspiring personal stories through an open **Inspiring Story Competition**. The competition received heartfelt submissions highlighting resilience, leadership, perseverance, and the transformative impact of empowering women in research.

From all submissions, two outstanding stories were selected:



Dr. J. Shanmuga Priya

Mahatma Gandhi University of
Medical Sciences & Technology, India
Complimentary Registration — Public Health 2026



Zienab Ahmed

United Arab Emirates University, UAE
Complimentary Registration — EDCON 2026

Could you be the next inspiration?

Could you be our next Inspiration in Research? Women researchers participating in iConferences are eligible to be recognized for their achievements and considered for induction into the prestigious iConferences Hall of Fame

More information on <https://i-conferences.com/international-womens-day/>



PUBLICATION OPPORTUNITY

Special Issue Publication Opportunity

Applied AI Letters - Wiley Open Access

As part of its commitment to advancing high-quality research and increasing the global visibility of conference publications, **iConferences**, in collaboration with the **International Centre for Research (ICR)**, USA, is pleased to offer authors across its conference portfolio the opportunity to submit their work for consideration in a **Special Issue of Applied AI Letters**, published by **Wiley**.

This publication opportunity is open to **eligible authors from all iConferences conferences**, regardless of discipline, whose research demonstrates a meaningful application of **Artificial Intelligence** within their respective fields. Whether in healthcare, education, agriculture, engineering, business, environmental science, social sciences, or other domains, interdisciplinary studies integrating AI are encouraged.

Applied AI Letters is a **peer-reviewed, Scopus-indexed, DOAJ-indexed**, and fully **Open Access** international journal that publishes innovative research highlighting practical applications of Artificial Intelligence across a broad range of disciplines. All manuscripts submitted to the Special Issue will undergo the journal's standard independent peer-review process, and acceptance will be based solely on scientific merit, originality, and relevance to the scope of the journal.

Topics of interest include, but are not limited to

- Responsible and Explainable AI (XAI)
- AI for Healthcare and Public Health
- Ethics, Fairness, and Trustworthy AI
- AI in Education and Learning Technologies
- AI Governance, Policy & Regulatory Frameworks
- AI in Agriculture and Food Systems
- Machine Learning and Deep Learning Applications
- AI for Sustainability and Climate Action
- Natural Language Processing and Computer Vision
- AI in Business, Finance, and Industry
- Intelligent Decision Support Systems
- Human-Centred AI and Emerging Technologies

Authors may submit **original research articles, review papers, case studies, and short communications** that present novel findings, practical innovations, or interdisciplinary approaches involving Artificial Intelligence.

This initiative provides researchers with an opportunity to extend their conference work into a high-impact international publication while contributing to the advancement of responsible and innovative AI research across diverse academic and professional fields.

We encourage all eligible conference participants whose research incorporates Artificial Intelligence to take advantage of this publication opportunity and contribute to this international Special Issue.



AT A GLANCE

JOURNAL

Applied AI Letters (Wiley Open Access)

INDEXING

Scopus, DOAJ

ARTICLE TYPES

Original Research, Review Papers, Case Studies, Short Communications

PEER REVIEW

Independent journal peer-review process

SUBMISSION DEADLINE

27 October 2026

GUEST EDITOR

Dr. Manjeevan Singh Seera, Monash University, Malaysia

DAY 02 – WEDNESDAY, 5TH AUGUST 2026

KEYNOTE FORUM Wednesday, 05th August 2026 | 09.00 MYT to 09.30 MYT | Room 01

09.00 – 09.30 **Assoc. Prof. Dr. Christopher Teh Boon Sung**



(Department of Land Management, Faculty of Agriculture, University Putra Malaysia, Malaysia)

"Weather Generator for Crop Modeling"

Dr. Christopher Teh earned his PhD in Agriculture from the University of Reading, UK in 2001, following his MSc and BSc degrees from Universiti Pertanian Malaysia. Since then, he has served in the Department of Land Management at UPM and currently holds the position of Associate Professor and Head of Department.

With over two decades of professional experience, Dr. Teh specializes in soil physics and conservation as well as crop modeling Omics Online Biography. He has authored or co-authored numerous publications—including five books, seven book chapters, more than 40 journal articles, and nearly 100 conference proceedings—and is actively engaged in promoting urban gardening through workshops and newspaper columns.

Dr. Teh also holds roles outside academia, including Research Theme Associate at Crops for the Future Research Centre (University of Nottingham, Malaysia), and serves on editorial boards for several international journals in agriculture. He is widely recognized for his contributions to teaching excellence and applied research in environmental agriculture.

Artificial Intelligence, Digital Agriculture and Agricultural Analytics

Wednesday, 5th August 2026 | 09.30 MYT to 11.00 MYT | Room 01

Chaired By Dr. Tee Tuan Poy
(University Putra Malaysia, Malaysia)

TECHNICAL SESSION 03

09.30 – 09.45

C1 In-Person



Hong, D.Y.¹, Kuo, C.Y.¹, Chen, C.H.², Chang, C.Y.¹

(¹National Pingtung University of Science and Technology, Bachelor of Program in Scientific Agriculture, ²National Pingtung University of Science and Technology, Department of Biomechatronics Engineering, Taiwan)

"Hyperspectral Imaging and Artificial Intelligence for Precision Quality Mapping of Mangoes"

09.45 – 10.00

C2 In-Person



Mahajan, D., Pathania, R., Faldu, P., Salman, M., Ghike, S., Rao, S., Tyagi, M., Tripathi Mani, J.P.

(Wadhvani AI (Lords Education and Health Society), India)

"Building and Validating Expert-Grounded Question-Answer Datasets for Precision Agriculture Advisories in Low-Resource Settings"

10.00 – 10.15

C3 In-Person



Chen, C.H.¹, Hong, D.Y.², Kuo, C.Y.², Chang, C.Y.²

(¹Department of Biomechatronics Engineering, National Pingtung University of Science and Technology, ²Bachelor of Program in Scientific Agriculture, National Pingtung University of Science and Technology, Taiwan)

"An AI-Based Thermal Imaging System for Real-Time Piglet Monitoring and Early Hypothermia Warning in Farrowing Pens"

10.15 – 10.30

C4 In-Person



Rawat, R. K.¹, Krishna, A.¹, Mukherjee, D.²

(¹Department of Management Studies and Industrial Engineering, Indian Institute of Technology (Indian School of Mines) Dhanbad, Jharkhand, ²School of Economics and Public Policy, RV University, Bengaluru, Karnataka, India)

"Estimating the Technical Efficiency of Agricultural Information Adopter Farmers of Maize Crop in India"

Artificial Intelligence, Digital Agriculture and Agricultural Analytics

Wednesday, 5th August 2026 | 09.30 MYT to 11.00 MYT | Room 01

Chaired By Dr. Tee Tuan Poy
(University Putra Malaysia, Malaysia)

10.30 – 10.45

C5 **In-Person**



Parra Acosta, Y.K., Mancera Barrero, N., Ninco Hernandez, F.A.

(Nueva Granada Military University, Colombia)

"Cybersecurity and System Integration as Determinants of Export Competitiveness in Floriculture"

10.45 – 11.00

C6 **In-Person**



Parween, K., Krishna, A.

(Department of Management Studies and Industrial Engineering,
Indian Institute of Technology (Indian School of Mines) Dhanbad,
Jharkhand, India)

"Analysing Rice Production Efficiency Using Window Dea and Fractional Regression Model: Evidence from India"

TECHNICAL SESSION 03

Artificial Intelligence, Digital Agriculture and Agricultural Analytics

Wednesday, 5th August 2026 | 09.30 MYT to 10.45 MYT | Room 01

Chaired By Dr. M. Karthikeyan

(Tamil Nadu Agricultural University, India)

ONLINE TECHNICAL SESSION 03

09.30 – 09.45

G1 **Online**



Tafeni, N.V., Gwala, L., Mayekiso, A.

(Department of Agricultural Economics, Extension & Agribusiness, University of Fort Hare, South Africa)

"The Impact of Digital Technologies on Smallholder Farmers' Welfare Outcomes in the Eastern Cape, South Africa"

09.45 – 10.00

G2 **Online**



Thomas, C.M.¹, Nair, A.², Somasundaram, K.³

(¹Department of Mathematics, St. Paul's College, Kalamassery, Kerala, ²Amrita School for Sustainable Futures, Amrita Vishwa Vidyapeetham, Amritapuri, Kollam, Kerala, ³Department of Mathematics, Amrita School of Physical Sciences, Amrita Vishwa Vidyapeetham, Coimbatore, India)

"A Hybrid Metaheuristic Approach for Prediction of Paddy and Coconut Yields in Kerala for Advancing Sustainable Agriculture"

10.00 – 10.15

G3 **Online**



Patel, A., Jyotheeswar, B., Gupta, A., Singh, A.

(Visvesvaraya Technological University, India)

"FarmPulse AI: Pulse Price Prediction Using Random Forest, ARIMA, and LSTM Models"

10.15 – 10.30

G4 **Online**



Gwala, L., Tafeni, N.V.

(Department of Agricultural Economics, Extension and Agribusiness, University of Fort Hare, South Africa)

"Use of Digital Tools and Crop Residues for Improved Agricultural Practices and Climate Change Adaptation –A Focus on Communal Farmers in Eastern Cape, South Africa"

10.30 – 10.45

G5 **Online**



Tafeni, N. V., Gwala, L., Mayekiso, A.

(Department of Agricultural Economics, Extension & Agribusiness, University of Fort Hare, South Africa)

"Contribution of Digital Platforms on Crop Insurance Accessibility for Smallholder Farmers in the Eastern Cape, South Africa"

10.45 – 11.00

Morning Refreshments

KEYNOTE FORUM Wednesday, 05th August 2026 | 11.00 MYT to 11.30 MYT | Room 01

11.00 – 11.30

Dr. Amna Sahar



(Department of Food Engineering, University of Agriculture Faisalabad, Pakistan)

"Food Waste Reduction through Valorization of Halal Meat Industry By-Products"

Prof. Dr. Amna Sahar is a tenured Professor in the Department of Food Engineering at the University of Agriculture Faisalabad, Pakistan. Her research focuses on the application of non-destructive analytical techniques and chemometrics for assessing food quality, authenticity, and safety.

She earned her Master's degree from Université Européenne de Bretagne (UEB), Rennes, France, followed by a Ph.D. from Agrocampus Rennes, France, and completed her Postdoctoral Fellowship at Teagasc Food Research Centre, Dublin, Ireland. Throughout her distinguished academic career, she has published more than 70 peer-reviewed research articles with a cumulative impact factor exceeding 350, supervised numerous M.S. and Ph.D. students, and secured multiple national and international research grants.

Prof. Sahar is the recipient of several prestigious awards, including the Higher Education Commission (HEC) Best Research Paper Award and multiple best presentation awards at national and international conferences. Her international academic engagements include serving as a Visiting Professor and Research Fellow in France and Malaysia. She has also served as Chairperson of the Department of Food Engineering and is currently serving as Director of the Quality Enhancement Cell (QEC) at the University of Agriculture Faisalabad, where she contributes to advancing academic excellence and quality assurance in higher education.

Food Processing, Product Development and Crop Health

Wednesday, 5th August 2026 | 11.30 MYT to 12.30 MYT | Room 01

Chaired By Rosazlin Abdullah
(University of Malaya, Malaysia)

TECHNICAL SESSION 04

11.30 – 11.45

D1 **In-Person**



Sandy, Y.A., Abadi A.L., Aini, L.Q. Syib'li, M.A.

(Department of Plant Pests and Diseases, Faculty of Bio-industry, Agriculture and Forestry, Universitas Brawijaya, Malang, Indonesia)

"Species Diversity, Phylogenetic Relationships, and Pathogenicity of colletotrichum spp. Causing Apple Anthracnose in Tropical Highland Orchards of Indonesia"

11.45 – 12.00

D2 **In-Person**



Padmanabhan, K., Wan Nur Najibah, W.A., Chong, K.H., Nor Azmiraah, A.J., Shan, J., Wanyu, P., Nor-Khaizura, M.A.R

(Faculty of Food Science and Technology, Universiti Putra Malaysia, Laboratory of Food Safety and Food Integrity, Institute of Tropical Agriculture and Food Security, Universiti Putra Malaysia, Selangor, Malaysia)

"Effects of Fermentation Conditions on the Physicochemical and Microbiological Properties of Probiotic-Fermented Tomato Juice"

12.00 – 12.15

D3 **In-Person**



Pokatong, W.D.R. and Salim, S.

(Food Technology Department, Universitas Pelita Harapan, Indonesia)

"Partial Substitution Of Wheat Flour With Heat-moisture-treatment Modified Cowpea Flour Affected Physicochemical And Sensory Properties Of Straight-dough Prepared Pan Bread"

12.15 – 12.30

D4 **Online**



Khan, T.A.¹, Munir, M.², Tehseen, M.¹

(¹Department of Horticulture, College of Horticulture and Landscape Architecture, Yangzhou University, China, ²Department of Botany, University of the Punjab, Lahore, Pakistan)

"Guar Gum Coating Improves Pre-Storage Quality of Ber Fruit Cultivars"

Food Technology, Functional Foods and Product Innovation

Wednesday, 5th August 2026 | 11.30 MYT to 12.30 MYT | Room 01

Chaired By Dr. Amna Sahar

(University of Agriculture, Faisalabad, Pakistan)

ONLINE TECHNICAL SESSION 04

11.30 – 11.45

H1

Online



Dhakal, S.P., Shahiduzzaman, S., Sultan, P. & Tarafder, T.
(University of New England, Armidale, Australia)

"The Quest for Organic Labelling in Australia"

11.45 – 12.00

H2

Online



Rukshika, J.A., Samarasinghe, R.Y.B.D.C., Illippangama, Ashinshana U., Rathnayake, H.A.

(University of New England, Armidale, Australia)

"Formulation and Evaluation of Physicochemical and Storage Stability of Microencapsulated Vegetable Oil Powder-Based Cookies"

12.00 – 12.15

H3

Online



Görgüç, A., Aydın, C.

(Aydın Adnan Menderes University, Engineering Faculty, Food Engineering Department, Türkiye)

"Formulation Optimization and Functional Characterization of A Plant-Based Spread Product Containing Banana Peel, Watermelon and Oleaster Seeds"

12.15 – 12.30

H4

Online



Aggarwal, A., Verma, T.

(Department of Dairy Science and Food Technology, Institute of Agricultural Sciences, Banaras Hindu University, Uttar Pradesh, India)

"Circular Food System Approach for Food Security: Development of Nutrient-Enriched Black Wheat-Whey Instant Idli Mix"

12.30 – 12.45 **Conclusion Remarks**

12.45 – 13.15 **Awarding Ceremony**

13.15 – 13.25 **Vote of Thanks**

13.30 – 14.30 **Networking Lunch**

Hall of Fame

To celebrate academic excellence and meaningful contributions to our scholarly community, we proudly introduce the 'Hall of Fame' section in our conference programme. This year, we honor our Best Reviewer whose expertise and dedication have elevated the quality of submissions and peer review.

At AgroFood 2026, we are proud to celebrate individuals who go above and beyond to uphold the spirit of academic excellence. One such contributor is Dr. Tee Tuan Poy, who was recognized as the Best Reviewer of this year's conference for her thoughtful evaluations and unwavering commitment to scientific rigor.



BEST REVIEWER 2026



Dr. Tee Tuan Poy

(Faculty of Agriculture, Universiti Putra Malaysia, Malaysia)

Dr. Tee Tuan Poy is a Senior Lecturer (Pensyarah Kanan) in the Department of Animal Science at the Faculty of Agriculture, Universiti Putra Malaysia (UPM) in Serdang, Selangor, Malaysia profile.upm.edu.my/agri.upm.edu.my. She holds a PhD in Agricultural and Environmental Modelling, specializing in livestock waste management and environmental systems modelling—her work notably addresses methane emissions, climate change, and life-cycle assessment (LCA) within livestock systems ResearchGate/agri.upm.edu.my.

Dr. Tee leads research focusing on biophysical modelling of nitrogen cycling, environmental loss evaluations, and sustainable mitigation strategies such as biochar applications and ESG risk assessment in animal agriculture ResearchGate+1. Prominent recent contributions include studies on greenhouse-gas emissions reduction using probiotics in broiler production (Aug 2024) and optimization of composting methods for livestock manures using response surface methodology (Mar 2025) ResearchGate+1.

Her work is integral to regional and international programs aimed at improving livestock-related emissions inventories and informing sustainable agricultural policy, including efforts with the New Zealand–CSA initiative to refine Malaysia's GHG factors for cattle CS

EDCON 2026

5TH INTERNATIONAL CONFERENCE ON

EDCON 2026

16-15 October 2027

HYBRID | BALI, INDONESIA

iC

**Public
Health**
2026

8TH INTERNATIONAL CONFERENCE ON

Public Health and Well-Being

20-21 October 2026

HYBRID | BALI, INDONESIA

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SilverAge
2026

7TH INTERNATIONAL CONFERENCE ON

Gerontology & Geriatric Medicine

22-23 October 2026

HYBRID | BALI, INDONESIA

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1ST INTERNATIONAL CONFERENCE ON

ICHECS 2027

26-27 January 2027

ONLINE CONFERENCE

iC



1ST INTERNATIONAL CONFERENCE ON

Cancer and Oncology

29-30 January 2027

ONLINE CONFERENCE

iC

UPCOMING CONFERENCES

iConferences
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2ND INTERNATIONAL CONFERENCE ON
AiCon 2027
06-07 April 2027
ONLINE CONFERENCE



2ND INTERNATIONAL CONFERENCE ON
Sustainable Development Goals
04-05 May 2027
HYBRID | MALAYSIA



5TH INTERNATIONAL CONFERENCE ON
ICPHN 2027
6-7 May 2027
HYBRID | MALAYSIA



8TH INTERNATIONAL CONFERENCE ON
AGROFOOD 2027
3-4 August 2027
HYBRID | INDONESIA



6TH INTERNATIONAL CONFERENCE ON
WOMEN 2027
6-7 August 2027
HYBRID | INDONESIA

UPCOMING CONFERENCES

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